

FACSIMILE TRANSMITTAL FORM	Application Number	10/014268	RECEIVED CENTRAL FAX CENTER OCT 07 2005
	Filing Date	October 22, 2001	
	First Named Inventor	Debe, Mark K.	
	Art Unit	3754	
	Examiner Name	Joseph A. Kaufman	
Fax: 571-273-8300	Attorney Docket Number	52955US011	
Total Number of Pages in This Submission: 10			
Date: September 7, 2005		Attorney for Applicant: Philip Y. Dahl	

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Amendment Transmittal	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Petition to Convert a Provisional Application	<input type="checkbox"/> Appeal Communication to Technology Center (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosures: Statement under 37 CFR 3.73(b) (3 pages) Recordation of Assignment from Inventor to MMM (3 pages) Recordation of Assignment from MMM to 3MIPC (3 Pages)
<input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR § 1.52 or 1.53 <input type="checkbox"/> Response to Missing Parts under 35 USC 371 in US Designated/ Elected Office (DO/EO/US)	<input type="checkbox"/> Request for Refund	
	<input type="checkbox"/> Request for Continued Examination (RCE) Transmittal	
<input type="checkbox"/> Drawings	<input type="checkbox"/> After Allowance Communication to Technology Center	
REMARKS:		

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PTO/SB/80 (04-05)

Approved for use through 11/30/2005. OMB 0851-0035
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

32692



OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

32692



OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Email		

Assignee Name and Address:

3M Innovative Properties Company
P.O. Box 33427
St. Paul, MN 55133-3427

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	7/7/05
Name	Robert W. Sprague	Telephone	651-733-4247
Title	Secretary, 3M Innovative Properties Company		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Customer Number

OCT 07 2005

Patent
Case No.: 52955US011

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: DEBE, MARK K.

Application No.: 10/014268, which is a Divisional
of 08/748,701, filed on November
13, 1996, now abandoned.

Group Art Unit: 3754

Filed: October 22, 2001

Examiner: Joseph A.
Kaufman

Title: STORAGE AND DELIVERY OF GASES IN PRESSURIZED MICROBUBBLES

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR § 1.8(a)]

I hereby certify that this correspondence is being:

- ☐ deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
- ☒ transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at 571-273-8300.

October 7, 2005

Date: October 7, 2005

Phyllis J. Boettcher

Signed by: Phyllis J. Boettcher

STATEMENT UNDER 37 CFR § 3.73(b)

The undersigned states that 3M Innovative Properties Company, a corporation organized and existing under the laws of the State of Delaware, United States of America, is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest in the patent application/patent identified above. The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- B. ☒ A chain of title from the inventor(s) of the patent application/patent identified above, to the current assignee is shown below:
 1. ☒ From the inventors to 3M Company (formerly Minnesota Mining and Manufacturing Company). The document was recorded in the United States Patent and Trademark Office at Reel 8374, Frame 0859, or for which a copy thereof is attached.

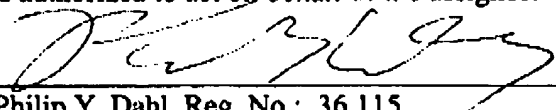
2. ☒ From 3M Company (formerly Minnesota Mining and Manufacturing Company) to 3M Innovative Properties Company. The document was recorded in the United States Patent and Trademark Office at Reel 012602, Frame 0422, or for which a copy thereof is attached.

Copies of the following documents are enclosed:

1. ☒ Power of Attorney to Prosecute Applications before the USPTO and Correspondence Address Indication Form.
2. ☒ Copies of assignments or other documents in the chain of title.

The undersigned Practitioner of Record is authorized to act on behalf of the assignee.

10/7/05
Date: October 7, 2005

By: 
Philip Y. Dahl, Reg. No.: 36,115
Telephone No.: 651-737-4029

Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 26, 1997

PTAS
MINNESOTA MINING AND MANUFACTURING CO.
LORRAINE R. SHERMAN
OFFICE OF INTELLECTUAL PROPERTY COUNSEL
P.O. BOX 33427
ST. PAUL, MN 55133-3427

100368709A

3M OFFICE OF
INTELLECTUAL
PROPERTY COUNSEL

MAY 05 1997

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/13/1996

REEL/FRAME: 8374/0859
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).






ASSIGNOR:

DEBE, MARK K.

DOC DATE: 11/13/1996

ASSIGNEE:

MINNESOTA MINING AND MANUFACTURING COMPANY
P.O. BOX 33427
ST. PAUL, MINNESOTA 55133-3427SERIAL NUMBER: 08748701
PATENT NUMBER:FILING DATE: 11/13/1996
ISSUE DATE:ANNIE HARRELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

		03-07-1997 	08/748701 COVER SHEET 5892 U.S. PTO 
To the Honorable Commissioner.		Marks: 	
Please record the attached original document or copy thereof.			
1. Name of conveying party(ies): Mark K. Debe Additional names of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Minnesota Mining and Manufacturing Company P.O. Box 33427 St. Paul, Minnesota 55133-3427	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Execution Date November 13, 1996			
4. Application number or patent number: <input checked="" type="checkbox"/> This document is being filed with a new patent application or patent on <u>November 13, 1996</u> <input type="checkbox"/> This document is to be recorded against the following patent application or patent: _____			
5. Name and address of party to whom correspondence concerning document should be mailed: Lorraine R. Sherman Minnesota Mining and Manufacturing Company Office of Intellectual Property Counsel P.O. Box 33427 St. Paul, Minnesota 55133-3427		6. Total number of applications and patents involved: <div style="border: 1px solid black; width: 50px; text-align: center; margin: 0 auto;">1</div>	
		7. Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Previously submitted <input type="checkbox"/> Enclosed	
		8. <input checked="" type="checkbox"/> Please charge any additional fees or credit any overpayment to Deposit Account No. 13-3723.	
DO NOT USE THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.			
Lorraine R. Sherman Printed Name of Attorney		 Signature	
		November 13, 1996 Date	
Total number of pages including cover sheet, attachments, and document:		<div style="border: 1px solid black; width: 50px; text-align: center; margin: 0 auto;">2</div>	

(Record.Frm)

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments, Washington, D.C. 20231

Docket No. 52955USA9A

ASSIGNMENT

Whereas I, the below named inventor, with residence and citizenship as indicated below, have made an invention in

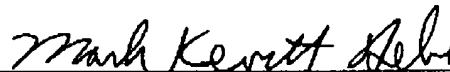
STORAGE AND DELIVERY OF GASES IN PRESSURIZED MICROBUBBLES
and have contemporaneously executed an application for Letters Patent of the United States of America based thereon;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I have agreed to assign and transfer and do hereby assign and transfer unto the MINNESOTA MINING AND MANUFACTURING COMPANY (sometimes designated as the Minnesota Mining & Manufacturing Company), a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during my employment by the said Company or within one year thereafter), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me had this assignment and transfer not been made.

I do further agree for myself and for my heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I lawfully may, that may be deemed necessary by the said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries;

And I do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to the said Minnesota Mining and Manufacturing Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, I have hereunto signed my name on the day and year set forth below.



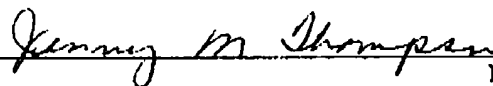
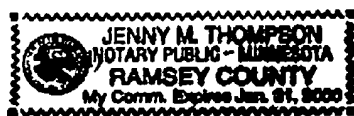
Mark Kevitt Debe

Residence: Stillwater, Minnesota, USA

Citizenship: United States of America

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this 13th day of November 13 1996, before me personally appeared the above-named Mark Kevitt Debe, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.



Notary Public



UNITED STATES
PATENT AND
TRADEMARK OFFICE

APR 29 2002

P. Y. DAHL

APRIL 19, 2002

Chief Financial Officer and Chief Administrative Officer
Washington, DC 20231
www.uspto.gov

PTAS
3M INNOVATIVE PROPERTIES COMPANY
PHILIP Y. DAHL
P.O. BOX 33427
ST. PAUL, MN 55133-3427

CHILL W. ...
PEOPLE ...
3M INNOVATIVE PROPERTIES COMPANY

APR 26 2002



101994369A

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RECORDATION DATE: 02/12/2002

REEL/FRAME: 012602/0422
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE
STATE OF DELAWARE

DOC DATE: 01/07/2002

ASSIGNEE:

3M INNOVATIVE PROPERTIES COMPANY
P.O. BOX 33427
ST. PAUL, MINNESOTA 55133-3427

SERIAL NUMBER: 10014268
PATENT NUMBER:

FILING DATE: 10/22/2001
ISSUE DATE:

LAZENA MARTIN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

02-27-2002



Docket No.: 52955US011

101994369

To: The Honorable Commissioner of Patents and Trademarks
Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)

Minnesota Mining and
Manufacturing Company,
a Corporation of the State of Delaware

(Execution Date)
January 7, 2002

2-12-02

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

☐ Other: _____☐ If this is a request for correction of a previously recorded document, a copy of the previously recorded assignment and previous Notice of Recordation is enclosed.

4. Application number or patent number:

☐ This document is being filed with a new patent application on _____
☒ This document is to be recorded against the following patent application or patent: 10/014,268
☐ Patent Cooperation Treaty (PCT):
Enter PCT application number only if a U.S. Application Number has not been assigned: _____

Additional Numbers Attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Philip Y. Dahl
Office of Intellectual Property Counsel
3M Innovative Properties Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427

Phone Number: 651-737-4029

2. Name and address of receiving party(ies):

3M Innovative Properties Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427

Additional names of receiving party(ies) attached?

☐ Yes ☒ No

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)

\$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit Account Number: 13-3723

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Philip Y. Dahl

Printed Name of Attorney/Agent
Registration No. 36,115

Signature

Date

1/21/02

Pages: Total number of pages including COVER SHEET, attachments and documents:

Mail documents to be recorded with required cover sheet information to:
Commissioner for Patents, Box Assignments, Washington, DC 20231

(Form PTO-1595 - Modified from PTO's Rev 03/01)
q:\mipcom\forms and assignments\recordation cover sheet - return to ipc - new.doc 4/26/01

02/27/2002 610N11 00000075 133723 10014268

01 FC:581

40.00 CH

Docket No. 52955US011

ASSIGNMENT

ASSIGNOR: MINNESOTA MINING AND MANUFACTURING COMPANY
of: PO Box 33427
St. Paul, Minnesota 55133-3427
United States of America

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OCT 07 2005

a corporation organized and existing under the laws of the State of Delaware, United States of America does hereby claim and declare that it is the owner of all right, title and interest in and to the following Patent Application(s) or letters Patents(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in United States Patent(s) and/or Patent Application(s):

Patent Application or Patent Number
10/014,268

Filing Date or Issue Date
October 22, 2001

Minnesota Mining and Manufacturing Company does hereby, for good and valuable consideration, effective as of April 1, 1999 received, sell, assign and transfer unto:

ASSIGNEE: 3M INNOVATIVE PROPERTIES COMPANY
of: PO Box 33427
St. Paul, Minnesota 55133-3427
United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America, its entire right, title and interest in and to the said Patent Application(s) or Letters Patent(s) including any division, continuation (in whole or in part) reissue or reexamination thereof, and in and to any countries foreign thereto, and consent to the recordal of this Assignment.

ASSIGNOR

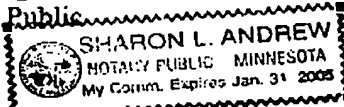
Subscribed and Sworn:

At St. Paul, Minnesota 55133-3427
this 7th day of January, 2002.

MINNESOTA MINING AND
MANUFACTURING COMPANY

By: Douglas B. Little
Name: Douglas B. Little
Its: Assistant Chief Intellectual
Property Counsel

Subscribed and sworn to before me this
7th day of January, 2002.

Sharon L. Andrew
Notary Public


ASSIGNEE

Accepted:

At St. Paul, Minnesota 55133-3427
this 8th day of January, 2002.

3M INNOVATIVE PROPERTIES COMPANY

By: Gary L. Griswold
Name: Gary L. Griswold
Its: President and Chief Intellectual Property Counsel

Subscribed and sworn to before me this
8th day of January, 2002.

Jean S. Kistler
Notary Public
